

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 12:01:26 ON 25 JUL 2006
L1 414 S (ARRAY OR MICROARRAY) (P) ("SMALL RNA" OR SMRNA OR MICRORNA O
L2 227 DUP REMOVE L1 (187 DUPLICATES REMOVED)
L3 176 S (ARRAY OR MICROARRAY) (8A) ("SMALL RNA" OR SMRNA OR MICRORNA
L4 105 DUP REMOVE L3 (71 DUPLICATES REMOVED)
L5 8 S (ARRAY OR MICROARRAY) (8A) ("SMALL RNA" OR SMRNA OR MICRORNA
L6 3 DUP REMOVE L5 (5 DUPLICATES REMOVED)
L7 0 S ((ARRAY OR MICROARRAY) (8A) ("SMALL RNA" OR SMRNA OR MICRORNA
L8 0 S ((ARRAY OR MICROARRAY) AND ("SMALL RNA" OR SMRNA OR MICRORNA

=> s 12 and ((perfect or mismatch) (5a) probe)
L9 0 L2 AND ((PERFECT OR MISMATCH) (5A) PROBE)

=> s 12 and ("perfect match probe" or "mismatch probe")
L10 0 L2 AND ("PERFECT MATCH PROBE" OR "MISMATCH PROBE")

=> logoff

FILE 'HOME' ENTERED AT 11:25:32 ON 26 JUL 2006

=> index all
FILE 'ENCOMPLIT2' AC
FILE 'ENCOMPPAT2' AC
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21

INDEX 'ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ALUMINIUM, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CEABA-VTB, CEAB, CHEMINFOORMX, CHEMSAFE'

CEABA-VIB, CERAB, CHEMINTON
ENTERED AT 11:35:49 ON 26 JUL 2006

135 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s ((array or microarray) (p) ("perfect match probe" or "PM probe") and (microRNA or sRNA or snoUNMATCHED LEFT PARENTHESIS '((ARRAY'
The number of right parentheses in a query must be equal to the
number of left parentheses.

```
=> s (array or microarray) (p) ("perfect match probe" or "PM probe") and (microRNA or srRNA or snoRNA)
      0* FILE ALUMINIUM
      0* FILE ANTE
      0* FILE APOLLIT
```

```
1     FILE AGRICOLA
4     FILE BIOSIS
3     FILE BIOTECHABS
3     FILE BIOTECHDS
1     FILE CABA
20 FILES SEARCHED...
22     FILE CAPLUS
29 FILES SEARCHED...
1     FILE COMPENDEX
42 FILES SEARCHED...
1     FILE DISSABS
2     FILE EMBASE
5     FILE EPFULL
4     FILE ESBIOBASE
57 FILES SEARCHED...
3     FILE GREFULL
```

67 FILES SEARCHED...
1 FILE IFIPAT
83 FILES SEARCHED...
1 FILE LIFESCI
3 FILE MEDLINE
1 FILE PAPERCHEM2
1 FILE PASCAL
99 FILES SEARCHED...
126 FILE PCTFULL
111 FILES SEARCHED...
<-----User Break----->

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	5.49	5.70

FILE 'CAPLUS' ENTERED AT 11:31:06 ON 26 JUL 2006
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FILE COVERS 1907 - 26 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 25 Jul 2006 (20060725/ED)

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<http://www.cas.org/infopolicy.html>

=> s (array or microarray) (8a) ("perfect match probe" or "PM probe" or affymetrix) and (microRNA
117136 ARRAY
49947 ARRAYS
146899 ARRAY
(ARRAY OR ARRAYS)
39212 MICROARRAY
10114 MICROARRAYS
41618 MICROARRAY
(MICROARRAY OR MICROARRAYS)
35841 "PERFECT"
30 "PERFECTS"
35868 "PERFECT"
("PERFECT" OR "PERFECTS")
26068 "MATCH"
9949 "MATCHES"
34743 "MATCH"
("MATCH" OR "MATCHES")
226574 "PROBE"
113583 "PROBES"
299509 "PROBE"
("PROBE" OR "PROBES")
19 "PERFECT MATCH PROBE"
("PERFECT" (W) "MATCH" (W) "PROBE")
39869 "PM"
3610 "PMS"
43134 "PM"
("PM" OR "PMS")
226574 "PROBE"
113583 "PROBES"
299509 "PROBE"
("PROBE" OR "PROBES")
11 "PM PROBE"
("PM" (W) "PROBE")
2709 AFFYMETRIX

2150 (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE" OR AFFYMETRIX)
1562 MICRORNA
851 MICRORNAs
1707 MICRORNA
(MICRORNA OR MICRORNAs)
833 SRNA
90 SRNAs
851 SRNA
(SRNA OR SRNAs)
493 SNORNA
373 SNORNAs
587 SNORNA
(SNORNA OR SNORNAs)
2036 SNRNa
711 SNRNAs
2277 SNRNa
(SNRNa OR SNRNAs)
86 NCRNA
168 NCRNAs
202 NCRNA
(NCRNA OR NCRNAs)
19 SMRNa
7 SMRNAs
21 SMRNa
(SMRNa OR SMRNAs)
7 NMRNA
1 NMRNAs
8 NMRNA
(NMRNA OR NMRNAs)
58 FRNA
6 FRNAs
61 FRNA
(FRNA OR FRNAs)
1225202 "SMALL"
45 "SMALLS"
1225241 "SMALL"
("SMALL" OR "SMALLS")
311037 "RNA"
25432 "RNAs"
315711 "RNA"
("RNA" OR "RNAs")
2052 "SMALL RNA"
("SMALL" (W) "RNA")
L1 22 (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE" OR AFFYMETRIX) AND (MICRORNA OR SRNA OR SNORNA OR SNRNa OR NCRNA OR SMRNa OR NMRNA OR FRNA OR "SMALL RNA")

=> d ti 1-10

L1 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Optimization and validation of small quantity RNA profiling for identifying TNF responses in cultured human vascular endothelial cells
L1 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Analysis of Affymetrix GeneChip data using amplified RNA
L1 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI DICER-LIKE 4 functions in trans-acting small interfering RNA biogenesis and vegetative phase change in *Arabidopsis thaliana*
L1 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiles in the diagnosis and treatment of Alzheimer's disease
L1 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene family analysis of the *Arabidopsis* pollen transcriptome reveals biological implications for cell growth, division control, and gene expression regulation
L1 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiles and biomarkers for the detection of hyperlipidemia and other disease-related gene transcripts in blood
L1 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Gene expression profiles and biomarkers for the detection of hyperlipidemia and other disease-related gene transcripts in blood

L1 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiles and biomarkers for the detection of hyperlipidemia and other disease-related gene transcripts in blood

L1 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiles and biomarkers for the detection of Chagas disease and other disease-related gene transcripts in blood

LI ANSWER 10 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiles and biomarkers for the detection of Chagas disease and other disease-related gene transcripts in blood

=> s (array or microarray) (8a) ("perfect match probe" or "PM probe") and (microRNA or srRNA or sno

117136 ARRAY
49947 ARRAYS
146899 ARRAY
(ARRAY OR ARRAYS)
39212 MICROARRAY
10114 MICROARRAYS
41618 MICROARRAY
(MICROARRAY OR MICROARRAYS)
35841 "PERFECT"
30 "PERFECTS"
35868 "PERFECT"
("PERFECT" OR "PERFECTS")
26068 "MATCH"
9949 "MATCHES"
34743 "MATCH"
("MATCH" OR "MATCHES")
226574 "PROBE"
113583 "PROBES"
299509 "PROBE"
("PROBE" OR "PROBES")
19 "PERFECT MATCH PROBE"
("PERFECT" (W) "MATCH" (W) "PROBE")
39869 "PM"
3610 "PMS"
43134 "PM"
("PM" OR "PMS")
226574 "PROBE"
113583 "PROBES"
299509 "PROBE"
("PROBE" OR "PROBES")
11 "PM PROBE"
("PM" (W) "PROBE")
6 (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE")
1562 MICRORNA
851 MICRORNAs
1707 MICRORNA
(MICRORNA OR MICRORNAs)
833 SRNA
90 SRNAS
851 SRNA
(SRNA OR SRNAS)
493 SNORNA
373 SNORNAs
587 SNORNA
(SNORNA OR SNORNAs)
2036 SNRNa
711 SNRNAs
2277 SNRNa
(SNRNa OR SNRNAs)
86 NCRNA
168 NCRNAs
202 NCRNA
(NCRNA OR NCRNAs)
19 SMRNa
7 SMRNAs
21 SMRNa
(SMRNa OR SMRNAs)
7 NMRNA

1 NMRNAS
8 NMRNA
 (NMRNA OR NMRNAS)
58 FRNA
6 FRNAS
61 FRNA
 (FRNA OR FRNAS)
1225202 "SMALL"
45 "SMALLS"
1225241 "SMALL"
 ("SMALL" OR "SMALLS")
311037 "RNA"
25432 "RNAs"
315711 "RNA"
 ("RNA" OR "RNAs")
2052 "SMALL RNA"
 ("SMALL" (W) "RNA")
L2 0 (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE")
 AND (MICRORNA OR SRNA OR SNORNA OR SNRNA OR NCRNA OR SMRNA OR
 NMRNA OR FRNA OR "SMALL RNA")

=> d his

(FILE 'HOME' ENTERED AT 11:25:32 ON 26 JUL 2006)

INDEX 'ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ALUMINIUM, ANABSTR,
ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOENG,
BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAOLD, CAPLUS, CASREACT,
CBNB, CEABA-VTB, CERAB, CHEMINFORMRX, CHEMSAFE, ...' ENTERED AT 11:25:49
ON 26 JUL 2006

SEA (ARRAY OR MICROARRAY) (P) ("PERFECT MATCH PROBE" OR "PM PROBE")

0* FILE ALUMINIUM
0* FILE ANTE
0* FILE APOLLIT
0* FILE AQUALINE
SEA (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE")

1 FILE AGRICOLA
4 FILE BIOSIS
3 FILE BIOTECHABS
3 FILE BIOTECHDS
1 FILE CABA
22 FILE CAPLUS
1 FILE COMPENDEX
1 FILE DISSABS
2 FILE EMBASE
5 FILE EPFULL
4 FILE ESBIOBASE
3 FILE GBFULL
1 FILE IFIPAT
1 FILE LIFESCI
3 FILE MEDLINE
1 FILE PAPERCHEM2
1 FILE PASCAL
126 FILE PCTFULL
3 FILE SCISEARCH

FILE 'CAPLUS' ENTERED AT 11:31:06 ON 26 JUL 2006

L1 22 S (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE")
L2 0 S (ARRAY OR MICROARRAY) (8A) ("PERFECT MATCH PROBE" OR "PM PROBE")

=> dup remove 11

PROCESSING COMPLETED FOR L1

L3 13 DUP REMOVE L1 (9 DUPLICATES REMOVED)

=> d ti 1-13

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Optimization and validation of small quantity RNA profiling for
identifying TNF responses in cultured human vascular endothelial cells

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Gene expression profiles in the diagnosis and treatment of Alzheimer's
disease

L3 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Biomarkers of cyclin-dependent kinase modulation in cancer therapy

L3 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI DICER-LIKE 4 functions in trans-acting small interfering RNA biogenesis and vegetative phase change in *Arabidopsis thaliana*

L3 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene family analysis of the *Arabidopsis* pollen transcriptome reveals biological implications for cell growth, division control, and gene expression regulation

L3 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Analysis of Affymetrix GeneChip data using amplified RNA

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
TI Gene expression profiles and biomarkers for the detection of depression-related and other disease-related gene transcripts in blood

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2
TI Gene expression profiles and biomarkers for the detection of hyperlipidemia and other disease-related gene transcripts in blood

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3
TI Gene expression profiles and biomarkers for the detection of Chagas disease and other disease-related gene transcripts in blood

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4
TI Gene expression profiles and biomarkers for the detection of lung disease-related and other disease-related gene transcripts in blood

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiling in predicting drug sensitivity in patients afflicted with hypertension

L3 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Signature genes expressed the lung during asthma or allergies and their use in predicting, diagnosing and treating asthma or allergies

L3 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI GeneChip analysis of hippocampal gene expression profiles of short- and long-attack-latency mice: Technical and biological implications

=> d bib kwic 1

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:178532 CAPLUS <<LOGINID::20060726>>
DN 144:329540
TI Optimization and validation of small quantity RNA profiling for identifying TNF responses in cultured human vascular endothelial cells
AU Shou, Jianyong; Qian, Hui-Rong; Lin, Xi; Stewart, Trent; Onyia, Jude E.; Gelbert, Lawrence M.
CS Integrative Biology, Lilly Research Laboratories, Indianapolis, IN, 46285, USA
SO Journal of Pharmacological and Toxicological Methods (2006), 53(2), 152-159
CODEN: JPTMEZ; ISSN: 1056-8719
PB Elsevier B.V.
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
AB ***Affymetrix*** oligonucleotide ***microarrays*** are widely used in basic and applied research. The need for a significant amt. of starting RNA has limited its use in applications where the amt. of RNA is limiting, such as with Laser Captured Microdissection (LCM), small biopsies, or peripheral blood in rodent models. To overcome this limitation, various RNA amplification and labeling methods have been described, however, further optimization and validation of these methods are needed. Here we reported using the Arcturus technol. to optimize amplification and labeling of small amts. of RNA for ***Affymetrix*** ***microarray*** studies. We assessed the tech. feasibility and variation introduced by differences in starting RNA quantity and

differences in tech. performance by microarray hybridization. We demonstrated that the current approach is reliable to amplify as little as 40 ng total RNA, and it is suitable for Affymetrix studies yielding satisfactory quant. chip performance. We also showed that differences in labeling methods contribute more to variation than the differences in starting RNA quantity per se. As a model, we studied the well-documented TNF-induced inflammatory responses in cultured human vascular endothelial cells. We were able to recapitulate the TNF-induced responses using ***small*** ***RNA*** sample profiling.

=> d kwic 13

L3 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . present study is to extend and validate the SAGE expression profile of hippocampus of LAL and SAL mice using GeneChips (***Affymetrix*** , Santa Clara, CA; one ***array*** per mouse, n = 5 per mouse line). As was the case with SAGE, GeneChips detect only medium-to high-abundance. . . (gas5), in LAL mice. As gas5 does not encode a protein but several small nuclear RNAs, our data suggest that ***small*** ***RNAs*** may contribute to the mol. mechanisms underlying the extreme behavioral differences between LAL and SAL mice.

=> d bib 13

L3 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:963801 CAPLUS <<LOGINID::20060726>>
DN 140:123529
TI GeneChip analysis of hippocampal gene expression profiles of short- and long-attack-latency mice: Technical and biological implications
AU Feldker, Dorine E. M.; Datson, Nicole A.; Veenema, Alexa H.; Proutski, Vitali; Lathouwers, Desiree; de Kloet, E. Ron; Vreugdenhil, Erno
CS Division of Medical Pharmacology, Leiden/Amsterdam Center for Drug Research, Leiden University Medical Center, Leiden, Neth.
SO Journal of Neuroscience Research (2003), 74(5), 701-716
CODEN: JNREDK; ISSN: 0360-4012
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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